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TITLE: AUTOMATIC STEERING APPARATUS

PUBN-DATE: October 3, 2000

INVENTOR-INFORMATION:

NAME

COUNTRY

MAEDA, NAOKI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

KOYO SEIKO CO LTD

APPL-NO: JP11086299

APPL-DATE: March 29, 1999

INT-CL (IPC): B62 D 6/00; B62 D 5/04; G05 D 1/02; G08 G 1/09

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a comfortable riding feeling for an automobile.

SOLUTION: A main ECU 10 outputs a steering angle indication value, for example, with a 50 msec interval. An interpolation circuit 21 of a steering ECU 20 interpolates the indication value from the main ECU 10 to compute a target steering angle value, for example, in every 2.5 msec interval. A steering angle of a steering mechanism 30 is automatically controlled by a PID control part 23, a PWM control part 25 and the like based on the target steering angle value. Steering angle change is smoothened thereby to eliminate jolting behavior of a vehicle.

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